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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/657,355		09/08/2003	Yu-Chin Lai	P03313	9551	
23702	7590	05/16/2005		EXAMINER		
Bausch & L	omb Inc	orporated	ZIMMER, MARC S			
One Bausch & Lomb Place Rochester, NY 14604-2701				ART UNIT	PAPER NUMBER	
,				1712		
				DATE MAILED: 05/16/2009	DATE MAILED: 05/16/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)
	10/657,355	LAI ET AL.
Office Action Summary	Examiner	Art Unit
	Marc S. Zimmer	1712
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period was reply to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on <u>08 Seconds</u> This action is FINAL . 2b)⊠ This Since this application is in condition for allower closed in accordance with the practice under Expression in the practice of the pract	action is non-final.	
Disposition of Claims		
4) ⊠ Claim(s) <u>1-31</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ⊠ Claim(s) <u>1-6,8,10,11,15,16,18-21 and 26-31</u> is/ 6) ⊠ Claim(s) <u>7,12 and 22-25</u> is/are rejected. 7) ⊠ Claim(s) <u>7,9,12-14 and 17</u> is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration. /are allowed.	
Application Papers		
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examiner	epted or b) objected to by the Education of the Education of the drawing of the drawing (s) is object to be described if the drawing (s) is object to be described or by the drawing of th	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s)	» —	
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 09/08/03,02/23/05. 	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	

Application/Control Number: 10/657,355 Page 2

Art Unit: 1712

Specification

The Specification is objected to because the structure in formula IV is discontinuous. In particular, the residues that are supposed to be attached to aromatic rings are drawn in space where they don't even appear to have any chemical relationship with the aromatic azo residue. Correction is required.

Claim Suggestion

In claims 1 and 7, the circumstances surrounding the meaning of the U group would be better stated as, "the U group is either absent or, where present, is a difunctional linkage."

Claim Objections

Claim 9 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 1 already stipulates that a residue having blue light absorption properties must be present.

Claims 13-14 and 23-24 are objected to because there is no indication that the silica filler has been treated with any compound that would introduce polymerizable groups onto its surface. Claims 11 and 21 require the strengthening agent to be polymerizable as the prepolymers are said to be copolymerized with, among other things, strengthening agents. Silica obviously cannot participate in the copolymerization.

Art Unit: 1712

Claim 17 is objected to because the structure of an "aminosilonolate" is not clear. The suffix "-ate" indicates a negative charge associated with the silanolate so wouldn't there have to be a corresponding counterion? Also, it appears that mention of potassium/aminosilonoate is only appropriate in conjunction with the preparation of the prepolymer itself. Indeed, Applicant is referred to Example 5 where potassium silanoate is used as a copolymerization catalyst for the formation of the prepolymer. According to the Specification, the prepolymer would then, in turn, either be (i) copolymerized with other monomers having polymerizable groups, (ii) be crosslinked with a crosslinker, e.g. an organohydrogensiloxane, or both. It is not clear that the silanoate compounds would have a role in any subsequent polymerization of vinylic monomers or crosslinking reaction so their mention in claim 17 seems questionable.

A period at the end of claim 22 should be removed.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claim 7 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. The Examiner has no idea as to how the phrase, "which renders the prepolymer with multiple blocks of polysiloxane groups." First of all, there is no suggestion elsewhere in

Application/Control Number: 10/657,355

Art Unit: 1712

the original disclosure that the prepolymer is comprised of blocks. Indeed, the Examiner is under the assumption that there is a random distribution of repeat units having 2 R² substituents, R³ and R⁴ substituents, and R⁵ and R⁶ substituents. Further, it is not clear how the term "render" is to be treated here. What does the prepolymer become by way of this rendering? Clarification is needed.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 12 and 22-25 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. As for claims 12 and 22, the term "high" as in "high refractive index" is subjective and prone to multiple interpretation. Applicant must clarify what exactly constitutes a high refractive index macromonomer. In paragraph 29, it is stated that a refractive index for the overall composition of 1.42 or greater is sought. It is submitted that Applicant consider adding this figure as a means of better defining their invention.

As for claims 23-25, there is no antecedent basis in claim 22 for the reinforcing component set forth in claims 22-25. It is believed that Applicants had intended to allude to the strengthening agent.

Art Unit: 1712

Allowable Subject Matter

Claims 7, 9, 12-14, 17, and 22-25 would be allowable if rewritten to overcome the various objections and/or rejection(s) under 35 U.S.C. 112, 1st and 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims. Claims 1-6, 8, 10-11, 15-16, 18-21, and 26-31 are allowable.

The only prior art of any real significant is Ichinohe, U.S. Patent # 6,878,792. They disclose the preparation of siloxane polymer bearing yellow dye molecules pendant to the polymer backbone that are introduced by way of hydrosilylation. As in the present case, the dye molecules are attached so as to provide a blue light absorption capability to the polymer. The dye-modified polysiloxane is employed in the medical field as an intraocular lens. However, whereas the polymers displayed in claim 1 necessarily contain polymerizable groups at both termini of the linear polymer, no such groups are present in the siloxane polymers taught by the reference. In a separate embodiment of their invention, Ichinohe discloses acrylic polymers synthesized by copolymerizing the dye, which of course features free-radical polymerizable groups, with one or more acrylic monomers.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marc S. Zimmer whose telephone number is 571-272-1096. The examiner can normally be reached on Monday-Friday 8:00-4:30.

Application/Control Number: 10/657,355 Page 6

Art Unit: 1712

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on 571-272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

May 9, 2005

Mare Zimmer AV 1712